

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 01213/0203491-USO <b>10/553174</b> <small>U.S. PATENT APPLICATION NO. if known, see 37 CFR 1.5</small>
INTERNATIONAL APPLICATION NO. PCT/IB2004/001142	INTERNATIONAL FILING DATE 15 April 2004	PRIORITY DATE CLAIMED 18 April 2003
TITLE OF INVENTION DEVICE AND MACHINE FOR REGENERATING A HUMAN LIVER		
APPLICANT(S) FOR DO/EO/US Bruno Pasquale Franco Nardo		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). <b>Items 11 to 20 below concern document(s) or information included:</b> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/553174</b>		INTERNATIONAL APPLICATION NO. PCT/IB2004/001142		ATTORNEY'S DOCKET NUMBER 01213/0203491-US0	
20. <input checked="" type="checkbox"/> Other items or information: Return Receipt Postcard					
The following fees have been submitted				CALCULATIONS	PTO USE ONLY
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)) ..... \$300				\$ 300.00	
22. <input type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$0 All other situations ..... \$200				\$	
23. <input type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority ..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB ..... \$400 All other situations ..... \$500				\$	
<b>TOTAL OF 21, 22 and 23 =</b>				<b>\$ 300.00</b>	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
20 - 100 =	/50 =		x \$250.00	\$	
Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	23 - 20 =	3	x 50.00	150.00	
Independent claims	5 - 3 =	2	x 200.00	400.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$550.00</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
<b>SUBTOTAL =</b>				<b>\$275.00</b>	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$	
<b>TOTAL NATIONAL FEE =</b>				<b>\$405.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$445.00</b>	
				Amount to be refunded:	\$
				Amount to be charged	\$

10/553174

JC20 Rec'd PCT/PTO 1 4 OCT 2005

PTO-1390 (Rev. 07-2005)

Approved for use through 03/31/2007. OMB 0651-0021

U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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- a. ☒ A check in the amount of \$ 850.00 ~~300.00~~ to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 04-0100. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Peter C. Schechter  
DARBY & DARBY P.C.  
P.O. Box 5257  
New York, New York 10150-5257  
(212) 527-7723

CUSTOMER NUMBER: 07278

  
SIGNATURE

S. Peter Ludwig  
NAME

25,351  
REGISTRATION NUMBER

10/553174

JC20 Rec'd PCT/PTO 14 OCT 2005

Application No. (if known): Not Yet Assigned

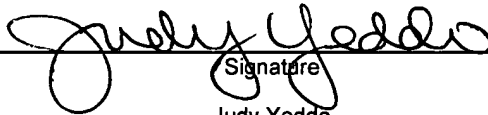
Attorney Docket No.: 01213/0203491-US0

## Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. **EV 418271305 US** in an envelope addressed to:

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Alexandria, VA 22313-1450

on October 14, 2005  
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Signature

Judy Yeddo

Typed or printed name of person signing Certificate

Registration Number, if applicable

Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.







Return Receipt Postcard  
Transmittal Letter to the U.S Designated-Elected Office (3 pages)  
Application No. WO 2004/091695  
Fee Transmittal (1 page)  
Application Data Sheet (3 pages)  
Claim for Priority and Submission of Documents (1 page)  
Form PCT/IB/304 (1 page)  
Information Disclosure Statement (4 pages)  
PTO SB/08 (1 page) - with 3 Documents  
Copy of International Search Report  
Amendment Transmittal (1 page)  
Preliminary Amendment (7 pages)  
Check #10013 in the amount of \$850.00

JC20 Rec'd P&T/PTO 14 OCT 2005

PTO/SB/17 (12-04v2)


Approved for use through 7/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). <b>FEE TRANSMITTAL</b> <b>For FY 2005</b>		<b>Complete if Known</b>   	
		Application Number	Not Yet Assigned   
		Filing Date	Concurrently Herewith
		First Named Inventor	Bruno Pasquale Franco Nardo
		Examiner Name	Not Yet Assigned
		Art Unit	N/A
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Attorney Docket No.	01213/0203491-USO
TOTAL AMOUNT OF PAYMENT	(\$)	300.00 <del>250.00</del>	

<b>METHOD OF PAYMENT</b> (check all that apply)	
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> None <input type="checkbox"/> Other (please identify): _____	
<input type="checkbox"/> Deposit Account            Deposit Account Number: <u>04-0100</u> Deposit Account Name: <u>Darby &amp; Darby P.C.</u>	
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)	
<input type="checkbox"/> Charge fee(s) indicated below	<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee
<input checked="" type="checkbox"/> Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17	<input checked="" type="checkbox"/> Credit any overpayments

<b>FEE CALCULATION</b>																					
<b>1. BASIC FILING, SEARCH, AND EXAMINATION FEES</b>																					
	<b>FILING FEES</b>		<b>SEARCH FEES</b>		<b>EXAMINATION FEES</b>																
		<u>Small Entity</u>		<u>Small Entity</u>		<u>Small Entity</u>															
<b>Application Type</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fees Paid (\$)</b>														
Utility	300	150	500	250	200	100															
Design	200	100	100	50	130	65															
Plant	200	100	300	150	160	80															
Reissue	300	150	500	250	600	300															
Provisional	200	100	0	0	0	0															
<b>2. EXCESS CLAIM FEES</b>																					
							<u>Small Entity</u>														
							<b>Fee (\$)</b> <b>Fee (\$)</b>														
Each claim over 20 (including Reissues)							50    25														
Each independent claim over 3 (including Reissues)							200    100														
Multiple dependent claims							360    180														
<table border="0"> <tr> <td><u>Total Claims</u></td> <td><u>Extra Claims</u></td> <td><u>Fee (\$)</u></td> <td><u>Fee Paid (\$)</u></td> <td><u>Multiple Dependent Claims</u></td> <td><u>Fee (\$)</u></td> <td><u>Fee Paid (\$)</u></td> </tr> <tr> <td>23</td> <td>- 20 = 3</td> <td>x 50</td> <td>= 150.00</td> <td></td> <td></td> <td></td> </tr> </table>							<u>Total Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>	<u>Multiple Dependent Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>	23	- 20 = 3	x 50	= 150.00				
<u>Total Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>	<u>Multiple Dependent Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>															
23	- 20 = 3	x 50	= 150.00																		
<table border="0"> <tr> <td><u>Indep. Claims</u></td> <td><u>Extra Claims</u></td> <td><u>Fee (\$)</u></td> <td><u>Fee Paid (\$)</u></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>- 3 = 2</td> <td>x 200</td> <td>= 400.00</td> <td></td> <td></td> <td></td> </tr> </table>							<u>Indep. Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>				5	- 3 = 2	x 200	= 400.00				
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5	- 3 = 2	x 200	= 400.00																		
<b>3. APPLICATION SIZE FEE</b>																					
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).																					
<table border="0"> <tr> <td><u>Total Sheets</u></td> <td><u>Extra Sheets</u></td> <td><u>Number of each additional 50 or fraction thereof</u></td> <td><u>Fee (\$)</u></td> <td><u>Fees Paid (\$)</u></td> </tr> <tr> <td>20</td> <td>- 100 =</td> <td>/50</td> <td>(round up to a whole number) x</td> <td></td> </tr> </table>								<u>Total Sheets</u>	<u>Extra Sheets</u>	<u>Number of each additional 50 or fraction thereof</u>	<u>Fee (\$)</u>	<u>Fees Paid (\$)</u>	20	- 100 =	/50	(round up to a whole number) x					
<u>Total Sheets</u>	<u>Extra Sheets</u>	<u>Number of each additional 50 or fraction thereof</u>	<u>Fee (\$)</u>	<u>Fees Paid (\$)</u>																	
20	- 100 =	/50	(round up to a whole number) x																		
<b>4. OTHER FEE(S)</b>																					
Non-English Specification, \$130 fee (no small entity discount) Other (e.g., late filing surcharge): 1631 Basic National Stage fee <span style="float: right;">300.00</span>																					

<b>SUBMITTED BY</b>			
Signature		Registration No. (Attorney/Agent)	25,351
Name (Print/Type)	S. Peter Ludwig	Telephone	(212) 527-7770
		Date	October 14, 2005

Express Mail Label No. <u>EVA18271305US</u>	Dated: <u>10/14/05</u>
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